Closed Topic Search

Enter terms
Search

Reset Sort By: Close Date (descending)

- Relevancy (descending)
- Title (ascending)
- Open Date (descending)
- Close Date (ascending)
- Release Date (descending)

NOTE: The Solicitations and topics listed on this site are copies from the various SBIR agency solicitations and are not necessarily the latest and most up-to-date. For this reason, you should visit the respective agency SBIR sites to read the official version of the solicitations and download the appropriate forms and rules.

Displaying 71 - 80 of 810 results

1. OSD13-PR3: Advanced Thermal Management Systems for Improved UAV Engine Durability/Performance

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: To develop, and demonstrate improvements in cooling capability of propulsion systems currently in use on unmanned aerial vehicles (UAV); to show a 20% reduction in cooling efficiency. DESCRIPTION: Two of the most popular UAVs used in the US are the US Air Force"s Predator, and the US Army"s Shadow 200. The US Air Force Predator is classified as a medium altitude, long endurance UA ...

SBIR Department of DefenseOffice of the Secretary of Defense

2. OSD13-PR4: Advanced Durability Systems for UAS Propulsion

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: Improve UAS engine durability by applying advanced designs/materials for bearing, housing, and rotating components/systems. DESCRIPTION: UAS propulsion systems currently suffer from durability issues resulting in frequent overhauls. Incorporating advanced durability systems could lead to longer durations between engine overhaul times and increased engine life, resulting in a lar ...

SBIR Department of DefenseOffice of the Secretary of Defense

3. OSD13-PR5: Improved Turbo/Superchargers for UAS/UGS Application

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: Demonstrate an advanced forced induction system for UAS/UGS applications in the 50 to 150 HP range. DESCRIPTION: The benefits of greater power and efficiency are offered by using turbochargers and superchargers for small UAS propulsion systems which including rotary, piston, and other developing engines. Present day UASs suffer performance losses upon takeoff and at altitude. The ...

SBIR Department of DefenseOffice of the Secretary of Defense

4. ST13B-001: Advanced Tools for Mammalian Genome Engineering

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: Improve the utility of Human Artificial Chromosomes (HACs) by developing new selectable metabolic markers for use in human cells, new high-fidelity methods for inserting DNA constructs of at least 50,000 base pairs (bp) in length into defined genomic loci, and new methodologies for facile intercellular genome transplantation. DESCRIPTION: The ability to deliver exogenous DNA to mamma ...

STTR Department of DefenseDefense Advanced Research Projects Agency

5. ST13B-002: Quantum Dot Mid-Wave Infrared Focal Plane Array

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: Develop a mid-wave infrared (MWIR) focal plan array (FPA) using quantum dots for next-generation night vision. DESCRIPTION: Historically, night vision has provided the United States Armed Forces with an asymmetric tactical advantage in combat operations. However, the tradeoffs of low sensitivity (microbolometers), high power consumption (active cooling), or specialized consumables (...

STTR Department of DefenseDefense Advanced Research Projects Agency

6. ST13B-003: Multiferroic Materials for RF Applications

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: Demonstrate RF/microwave devices, components, and circuits based on multiferroic composite structures. Design discrete devices for radio and radar with a new tunability feature that adds to the performance over conventional RF/microwave components by leveraging the voltage-tunable frequency response of multiferroics. Demonstrate voltage tunable devices with performance equal to or bet ...

STTR Department of DefenseDefense Advanced Research Projects Agency

7. ST13B-004: Data-Parallel Analytics on Graphics Processing Units (GPUs)

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: Explore the space of data-centric problems and algorithms that lend themselves to high-performance implementation on GPUs; develop a high-level language for easy programming of GPUs; and develop a product that can support real-time, quantitative analysis of a wide variety of data using the cost and energy efficient compute capabilities of GPUs and other relevant many core architectures. ...

STTR Department of DefenseDefense Advanced Research Projects Agency

8. MDA13-T001: Decision Making under Uncertainty

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: Analyze the impact of sensor measurement uncertainties on centralized data fusion and design optimal strategies to mitigate the associated target classification. DESCRIPTION: This topic solicits innovative approaches to characterize target sensor measurement uncertainties and to design effective sensor architectures to aid uncertainty mitigation (e.g. whether sending measurements or ...

STTR Department of DefenseMissile Defense Agency

9. MDA13-T002: Micro-Particle Debris Characterization from Hyper-Velocity Impacts

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: Develop innovative, laboratory-based methods to measure and characterize (i.e. size, number, temperature etc.) the small particles less than 1 cm generated in hyper-velocity impacts. Those methods should provide benchmark data for physics-based impact debris prediction codes aimed at modeling electro-optical / infra-red (EO/IR) impact flash signatures. The methods may include sensor ...

STTR Department of DefenseMissile Defense Agency

10. MDA13-T003: Enhancement of Ballistic Missile Defense System Level Simulation Operations Through Multi-core Processing

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: Develop technology to enhance the Missile Defense Agency"s (MDA) Ballistic Missile Defense System (BMDS) simulation operations through the employment of multi-core processing environments. DESCRIPTION: With the introduction of the Objective Simulation Framework (OSF), the BMDS enterprise-level simulation has the potential to present a more realistic and complex missile defense sc ...

STTR Department of DefenseMissile Defense Agency

- First
- Previous
- …
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- …
- Next
- Last

jQuery(document).ready(function() { (function ($) { $('#edit-keys').attr("placeholder", 'Search Keywords'); $('span.ext').hide(); })(jQuery); });